

**A KEY TO THE SPECIES OF GEOTRUPES (COLEOPTERA, SCARABAEIDAE) OF AMERICA
NORTH OF MEXICO.**

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The following key, which avoids sexual characters, may be useful in the determination of material. None has been published since Blanchard's in 1888. No attempt has been made to study questions of synonymy, the species and names accepted being those adopted in Leng's Catalogue or subsequent literature. I am indebted to Dr. E. C. Van Dyke for calling my attention to the fact that *G. occidentalis* Horn is not an American insect.

1. Elytra with impressed striae (4)
Elytra devoid of impressed striae (2)
2. Elytra densely spiculate, without punctures; mat; ♂ with a frontal horn (*Mycotrupes*) *lethroides* Westw. 300
Elytra with rows of punctures; ♂ without a frontal horn . . . (3)
3. Polished and shining; middle and hind tibiae with only a median longitudinal row of punctures on anterior surface, the inferior margin not bordered by a ridge.
(*Peltotrupes*) *chalybeus* Lec. 292
Mat, with the lustre of gun-metal; anterior surface of middle and hind tibiae with two longitudinal rows of setigerous punctures, the lower edges of which form a ridge, the inferior margin of the tibia bordered by the lower one of these.
(*Cnemotrupes*) *opacus* Hald. 19
4. Setigerous groove on anterior surface of front tibiae interrupted by a strong curved carina which extends onto the penultimate tooth of the superior margin, and is continuous with the broad smooth inferior margin of the tibia (9)
Groove of front tibiae continuous and unbroken to tip, or very slightly broken, but no carina from penultimate tooth crossing it (5)
5. Row of setigerous punctures on anterior surface of front tibiae close throughout to the inferior margin of the groove in which it is situated, the surface of the tibia below this groove broad and smooth (5)
Row of punctures on front tibiae distant apically from the carina forming the lower edge of the broad channel or fossa in which it is situated, this carina forming a narrow inferior margin for the anterior surface of the tibia.
(*C.*) *blackburnii* (Fabr.)

6. Elytral striae punctate (7)
 Elytral striae impunctate (*Onychotrupes*) *semiopacus* Jek. 298
7. Mesosternum with median spine or crest in front of coxae .. (8)
 Mesosternum with merely a median low, rounded carina; first
 segment of middle tarsus much shorter than following three
 united (*O.*) *splendidus* (Fabr.) 299
8. Mesosternum with an acute, erect spine; posterior edge of pro-
 notum strongly margined throughout; first segment of
 middle tarsus equal to the following three united.
 (*Cnemotrupes*) *egeriei* Germ. 294
- Mesosternum with a rectangular crest; posterior edge of pro-
 notum not margined laterally; first segment of middle tarsus
 shorter than the next three united (*C.*) *ulkei* Blanch. 297
9. Mesosternum with a median keel, produced forwards as a crest,
 the anterior angle of which is not sharper than a right
 angle; punctures in setigerous groove of anterior tibiae
 transformed into oblique grooves.
 (*Anoplotrupes*) *hornii* Blanch. 297
- Mesosternum without a median keel, anteriorly with a median
 spine which is much more acute than a right angle; punc-
 tures in tibial groove less elongate (*A.*) *balyi* Jek. 299